

CLASSIFICATION

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

COUNTRY East Germany

SUBJECT Minelaying and Minesweeping Vessels,
Type HABICHT

DATE DISTR. 8 January 1959

NO. OF PAGES 4

**PLACE
ACQUIRED**

NO. OF ENCLS.

DATE OF INFO.

SUPPLEMENT TO
REPORT NO.

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In the spring of 1958, two types of minelaying and minesweeping vessels, type HABICHT, were observed (type I [redacted] and type II [redacted] approximately 9 meters longer than those of type I).

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The following technical data were obtained. It could, however, not be determined whether they belong to type I or type II.

(vessels of type III are the KRAKES).

Measurements:

Length overall - 58.8 to 68 meters;
breadth - 8.0 meters (in bridge level 8.15 meters)
maximum draft - (2.25 meters or) 2.63 meters;
draft (half cargo) - 2.54 meters;
height of the mast - 22 meters;
full displacement - 731 tons;
delta - 0.55 (mean value).

Seed:

planned maximum 21 knots; actually 18 knots.

vessel		at 480	revolutions per minute	12 knots;
		at 520	" " "	14 knots;
		at 600	" " "	16 knots;
		at 700	" " "	18 knots.

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Propulsion:

2 screws;

S-E-C-R-E-T

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2 x 1,400 HP diesel engines; 6 cylinders;

vessels M/M

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vessels KVD 24 (or 43?) injection pressure
of 60 atm gauge;

vessels DMW Rostock;

air starter (30 atm gauge per minute);
2 air bottles for each engine;
gear reduction: 1 : 1.77 (screws ^{max} approximately 390 revolutions
per minute);
reversal in 3 to 10 seconds at the most;
two-stage compressor with electric propulsion.

General overhaul after 2,000 hours of operation, that is approximately
after one year.

Frequent gear damage ; and sanding-up of the cooling chamber of the
engines.

Fuel Consumption:

at a speed of 9 knots approximately 60 l/h (actually, however,
estimated at 100 l/h).

Operating Range:

approximately 2,400 nautical miles at 17 knots;
approximately 2,800 nautical miles at 14 knots.

Tankage Capacity:

diesel engine fuel: 70 to 75 tons in 12 storage tanks and one
extension tank;
lubricating oil (engine oil): approximately 5 tons;
water: 89 tons, including 36 tons drinking water
and 6 tons feed water; the rest is ballast;
boiler oil: 7 tons.

Auxiliary Engines:

steering gear with button-control;
1 capstan windlass;
1 boat winch on the quarter deck;
2 (general) water service and flooding pumps (one each in engine
room IV and pump room)
2 fire service pumps (one each in engine room I and III)

Electrical Installation: 220 V.

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(HABICHT II)

HABICHT I

for

2 x 100 HP BW-Diesel generators - 147.2 kW	}	3 x 100 HP BW - 220 kW	4 x 100 HP 234 kW
1 x 60 HP BW-Diesel generators - 44 kW			
1 x 40 HP BW-Diesel generators - 29.4 kW		1 x 40 HP - 29.4 kW	1 x 20 HP 14.7 kW
		220.6 kW	250 kW 309 kW

Location of Engines: (HABICHT I:), 2 vessels: 4 diesel generators in
EW 1 (power station);
4 vessels: 3 diesel generators in
EW 1;
1 diesel generator in
the engine room on
the forecastle.

Engines for Kabelfernsamgrast: (a device towed by the vessel and
connected with an electric cable):

each boat 3 x 500 HP V-type engines, totalling 1,500 HP - 1,100 kW; or

(HABICHT II): 2 x 8 KVD 21 S with 700 HP each, totalling 1,400 HP - 1,090 kW.

Armament:

1 x 85 mm with 400 shots of ammunition;
4 x 25-mm twin-AA gun with 300 shots from each barrel;
12 to 16 mines;
2 depth charge chutes; 20 depth charges;
1 bow protection gear - SDGR;
several sweeping devices

Arrangement of the Different Sections Aboard the Vessel:

Section I:	cloud chamber; jury-rudder;
Section II:	storage for mine outfit;
Sections III and IV:	ammunition storage chamber (magazine);
Section V:	engine room 1 (EW 1 with switch board, port gearing; fuel pump, electric equipment);
Section VI:	engine room 2 (port-engine, starboard gearing);

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Section VII: engine room 3 (starboard engine; EW 2 with switch board);

Section VIII: engine room 4 (EW 4, degaussing-gears, diesel generator);

Section IX: binnacle; auxiliary boiler;

Section X: C.O.'s room;

Section XI: carpenter store, chain locker;

Section XII: bosun's store and painter's store.

The upper deck includes among other sections cabins for the ship's doctor (surgeon) and the chief engineer; store rooms for bread and potatoes; EW 3 section (emergency lighting set); club rooms, and the galley.

The vessel had a crew of 80 to 90 men aboard.

Attachments: Two sketches of the HABICHT type vessels. One shows the longitudinal cross-section, platform deck, double wall, and double bottom of the vessel, the other shows the arrangement of the main engines, water service, flooding, and fire service installations (2 sheets)

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COUNTRY East Germany REPORT
SUBJECT Minelaying and Minesweeping Vessels, DATE OF REPORT 8 December 1958
Type HABICHT PLACE ACQUIRED Germany/Munich

LAST REPORT ON SUBJECT
(If applicable)

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planned maximum 21 knots; actually 18 knots.

vessel at 480 revolutions per minute 12 knots;
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reversal in 3 to 10 seconds at the most;

two-stage compressor with electric propulsion.

General overhaul after 2,000 hours of operation, that is approximately
after one year.

Frequent gear damage; and sanding-up of the cooling chamber of the
engines.

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at a speed of 9 knots approximately 60 l/h (actually, however,
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approximately 2,400 nautical miles at 17 knots;

approximately 2,800 nautical miles at 14 knots.

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Electrical Installation: 220 V;

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(HABICHT II)	HABICHT I	or
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gearing);

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The upper deck includes among other sections cabins for the ship's doctor (surgeon) and the chief engineer; store rooms for bread and potatoes; EW 3 section (emergency lighting set); club rooms, and the galley.

The vessel had a crew of 80 to 90 men aboard.

Comment. For the arrangement of the different sections on the vessel, see Annex:

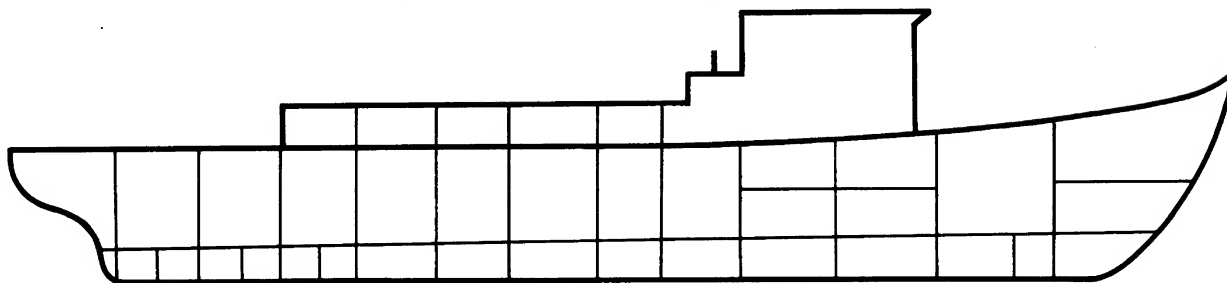
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Annex 1: longitudinal cross-sectional view;
platform deck; double wall;
double bottom of the vessel.

Annex 2: arrangement of the main engines;
water service-, flooding- and fire service installations.

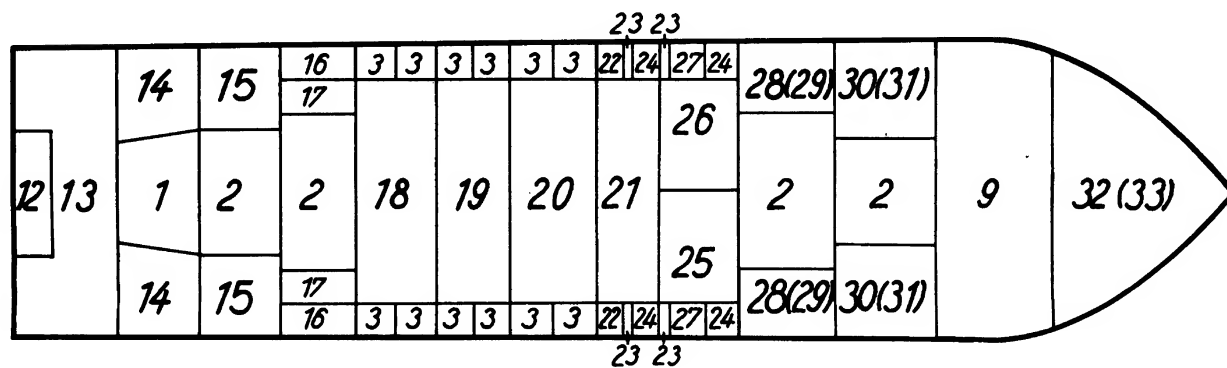
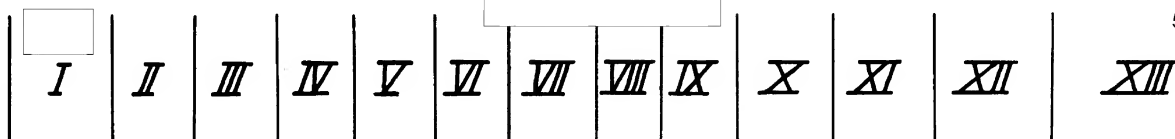
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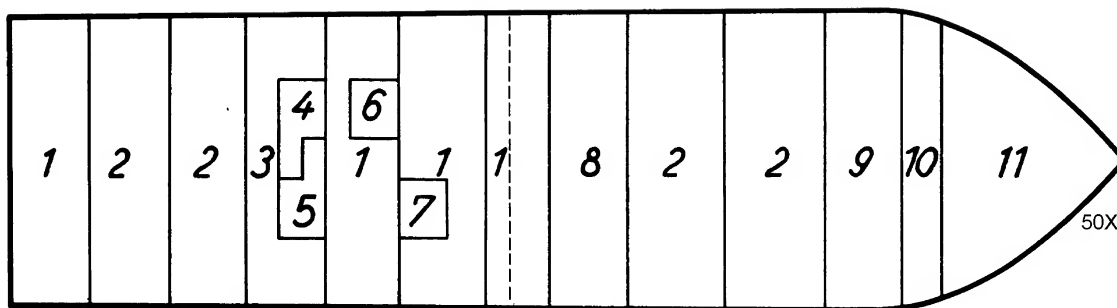
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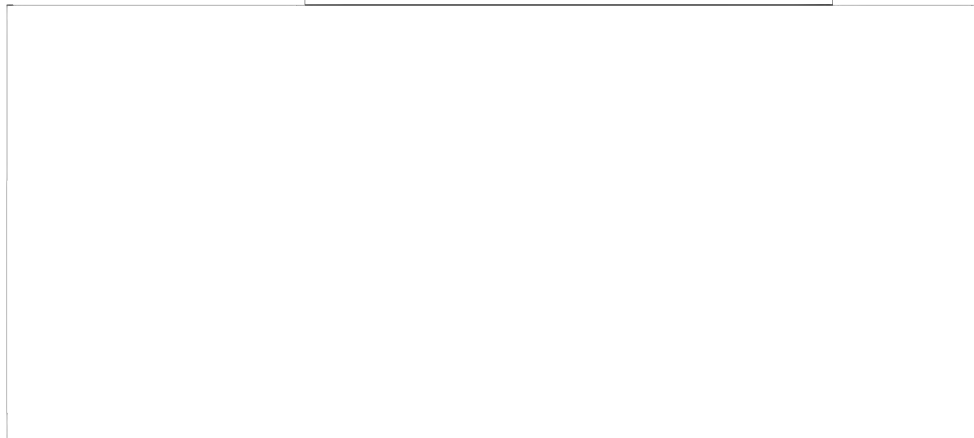
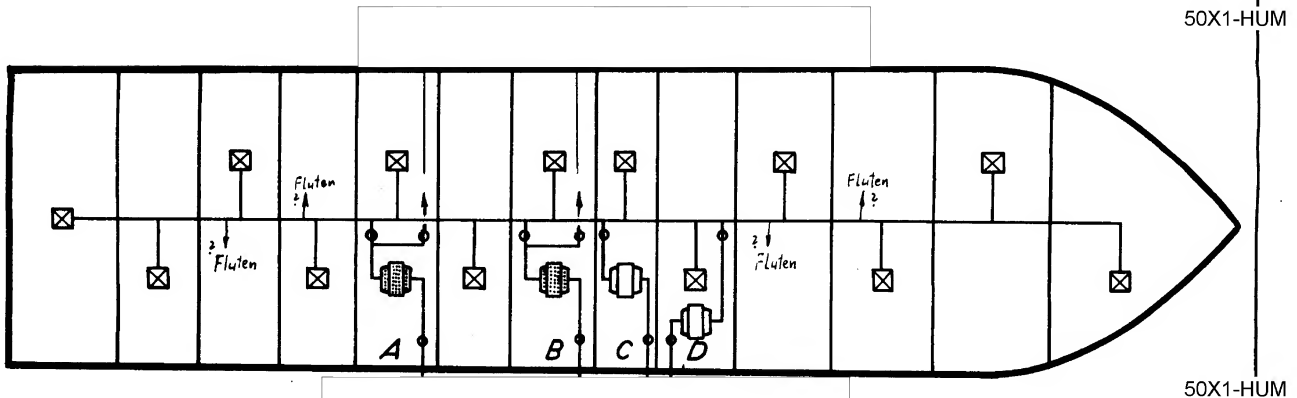
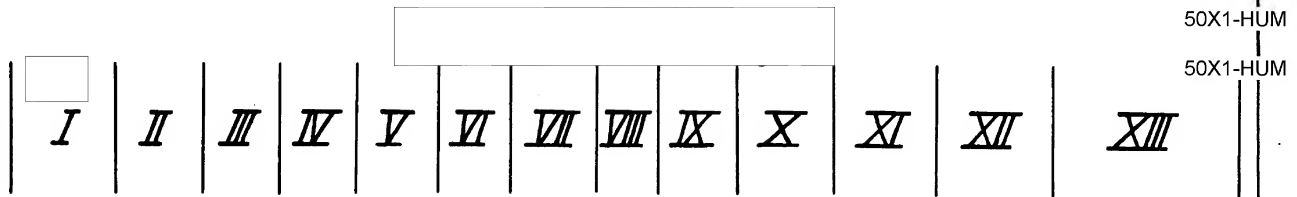
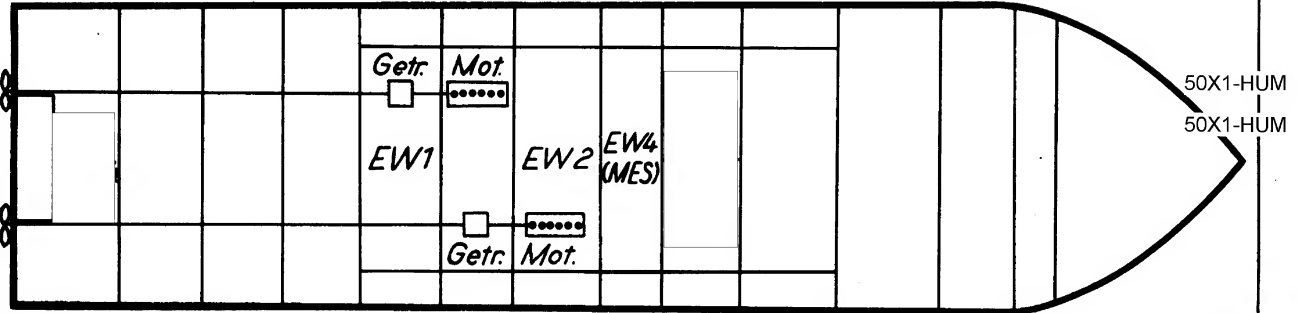


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